OTSC
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RAW SEQUENCE LISTING   DATE: 09/05/2002
PATENT APPLICATION: US/10/050,686A   TIME: 10:51:28

Input Set : A:\HMV07001.APP.txt
Output Set: N:\CRF4\09052002\J050686A.raw

pp 6-7

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 3 <110> APPLICANT: GOLDBERG, ALFRED L.
 4        GOMES, MARCELO D.
 5        LECKER, STEWART H.
 6        JAGOE, R. THOMAS
 8 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF MUSCLE
 9        WASTING
11 <130> FILE REFERENCE: HMV-070.01
13 <140> CURRENT APPLICATION NUMBER: 10/050,686A
14 <141> CURRENT FILING DATE: 2002-08-13
16 <150> PRIOR APPLICATION NUMBER: 60/262,090
17 <151> PRIOR FILING DATE: 2001-01-16
19 <160> NUMBER OF SEQ ID NOS: 3
21 <170> SOFTWARE: PatentIn Ver. 2.1
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24 <211> LENGTH: 2067
25 <212> TYPE: DNA
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38 aaaaccaaaa ctcagtactt ccatcaagaa aagtggatct atgttcacaa aggaagtacg  600
39 aaggagcgcc atggatactg tactttgggg gaagctttca acagactgga cttctcaact  660
40 gccattctgg attccagaag atttaactac gtggtccggc tgttggagct gatagcaaag  720
41 tcacagctca catccctgag tggcatcgcc caaaagaact tcatgaatat tttggaaaaa  780
42 gtggtactga agtccttga agaccagcaa aacattagac taataaggga actactccag  840
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59 agatgaacgc tgtcattgag aaacccttgg gctttgggtt tggattcggg gtttgttttc 1860
60 agcaggccaa gaagtatatc cacctgaaat ctgcacgggc ttaagtcctt atcctatgaa 1920
61 gatgccacac aatggtctac ctctaaaagc atagcgtgtt ctctggcaac atactttatc 1980
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76              20                  25                  30
78 Phe Val Ser Asp Leu Ser Ser Tyr Cys Asn Lys Glu Val Tyr Ser Lys
79              35                  40                  45
81 Glu Asn Leu Phe Ser Ser Leu Asp Tyr Asp Val Ala Ala Lys Lys Arg
82          50                  55                  60
84 Lys Lys Asp Ile Gln Asn Ser Lys Thr Lys Thr Gln Tyr Phe His Gln
85  65                  70                  75                  80
87 Glu Lys Trp Ile Tyr Val His Lys Gly Ser Thr Lys Glu Arg His Gly
88              85                  90                  95
90 Tyr Cys Thr Leu Gly Glu Ala Phe Asn Arg Leu Asp Phe Ser Thr Ala
91          100                 105                 110
93 Ile Leu Asp Ser Arg Arg Phe Asn Tyr Val Val Arg Leu Leu Glu Leu
94          115                 120                 125
96 Ile Ala Lys Ser Gln Leu Thr Ser Leu Ser Gly Ile Ala Gln Lys Asn
97          130                 135                 140
99 Phe Met Asn Ile Leu Glu Lys Val Val Leu Lys Val Leu Glu Asp Gln
100 145                 150                 155                 160
102 Gln Asn Ile Arg Leu Ile Arg Glu Leu Leu Gln Thr Leu Tyr Thr Ser
103                 165                 170                 175
105 Leu Cys Thr Leu Val Gln Arg Val Gly Lys Ser Val Leu Val Gly Asn
106              180                 185                 190
108 Ile Asn Met Trp Val Tyr Arg Met Glu Thr Ile Leu His Trp Gln Gln
109              195                 200                 205
111 Gln Leu Asn Asn Ile Gln Ile Thr Arg Pro Ala Phe Lys Gly Leu Thr
112      210                 215                 220
114 Phe Thr Asp Leu Pro Leu Cys Leu Gln Leu Asn Ile Met Gln Arg Leu
115 225                 230                 235                 240
117 Ser Asp Gly Arg Asp Leu Val Ser Leu Gly Gln Ala Ala Pro Asp Leu
118              245                 250                 255
120 His Val Leu Ser Glu Asp Arg Leu Leu Trp Lys Arg Leu Cys Gln Tyr
121              260                 265                 270
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Input Set : A:\HMV07001.APP.txt
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123 His Phe Ser Glu Arg Gln Ile Arg Lys Arg Leu Ile Leu Ser Asp Lys
124         275             280             285
126 Gly Gln Leu Asp Trp Lys Lys Met Tyr Phe Lys Leu Val Arg Cys Tyr
127         290             295             300
129 Pro Arg Arg Glu Gln Tyr Gly Val Thr Leu Gln Leu Cys Lys His Cys
130 305             310             315             320
132 His Ile Leu Ser Trp Lys Gly Thr Asp His Pro Cys Thr Ala Asn Asn
133             325             330             335
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138 Phe Lys Phe
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153 <223> OTHER INFORMATION: Any amino acid, wherein the region represents
154       6-94 residues
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159 <223> OTHER INFORMATION: Any amino acid, wherein the region represents
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Input Set : A:\HMV07001.APP.txt
Output Set: N:\CRF4\09052002\J050686A.raw

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225 <223> OTHER INFORMATION: Any amino acid, wherein the region represents
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237 <223> OTHER INFORMATION: Any amino acid, wherein the region represents
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243 <223> OTHER INFORMATION: Any amino acid, wherein the region represents
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Input Set : A:\HMV07001.APP.txt
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247 <223> OTHER INFORMATION: This sequence may include 4-8 repeats of the fragment
248      encompassing amino acid 1 through the first Asp
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     255          20              25              30
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     258          35              40              45
W--> 260 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     261          50              55              60
W--> 263 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     264  65              70              75              80
W--> 266 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly His
     267          85              90              95
W--> 269 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     270          100             105             110
W--> 272 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     273          115             120             125
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W--> 278 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     279 145             150             155             160
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     282          165             170             175
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W--> 287 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     288          195             200             205
W--> 290 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     291   210             215             220
W--> 293 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly His Xaa Xaa Xaa Xaa Xaa
     294 225             230             235             240
W--> 296 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     297          245             250             255
W--> 299 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     300          260             265             270
W--> 302 Xaa Xaa Xaa Xaa Trp Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     303          275             280             285
W--> 305 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     306   290             295             300
W--> 308 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     309 305             310             315             320
W--> 311 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     312          325             330             335
W--> 314 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     315          340             345             350
W--> 317 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:3; Xaa Pos. 1051,1052,1053,1054,1055,1056,1057,1058,1059,1060,1061
Seq#:3; Xaa Pos. 1062,1063,1064,1065,1066,1067,1070,1071,1072,1073,1074
Seq#:3; Xaa Pos. 1075,1076,1077,1078,1079,1080,1081,1082,1083,1084,1085
Seq#:3; Xaa Pos. 1086,1087,1088,1089,1090,1091,1092,1093,1094,1095,1096
Seq#:3; Xaa Pos. 1097,1098,1099,1100,1101,1102,1103,1104,1105,1106,1107
Seq#:3; Xaa Pos. 1108,1109,1110
```

VERIFICATION SUMMARY   DATE: 09/05/2002
PATENT APPLICATION: US/10/050,686A   TIME: 10:51:29

Input Set : A:\HMV07001.APP.txt
Output Set: N:\CRF4\09052002\J050686A.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:32
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:48
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:64
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:80
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:96
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:112
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:128
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:144
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:160
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:176
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:192
L:290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:208
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:224
L:296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:240
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:256
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:272
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:288
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:304
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:320
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:336
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:352
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:368
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:384
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:400
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:416
L:332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:432
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:448
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:464
L:341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:480
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:496
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:512
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:528
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:544
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:560
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:576
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:592
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:608
L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:624
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:640
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:656
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:672
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:688
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:704
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:720
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:736

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Input Set : A:\HMV07001.APP.txt
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L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:752
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:768
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:784

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Input Set : A:\HMV07001.APP.txt
Output Set: N:\CRF4\09052002\J050686A.raw

Application Serial Number: US/10/050,686A
Alpha or Numeric or Xml: Numeric
Application Class:
Application File Date: 08-13-2002
Art Unit: OIPE
Software Application: PatentIN2.1
Total Number of Sequences: 3
Total Nucleotides: 2067
Total Amino Acids: 1467
Number of Errors: 0
Number of Warnings: 70
Number of Corrections: 1

MESSAGE SUMMARY

271 C: 1 (Current Filing Date differs)
341 W: 70 ((46) "n" or "Xaa" used)